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SAF-E829-81
03 DEC 1981

MEMORANDUM FOR: Chief, Telecommunications Branch
Engineering Division/ODP

FROM : [redacted] 25X1
Chief, Systems Engineering

SUBJECT : Delta Data Development Schedule

REFERENCE : SAFE Project Terminal Configuration Document
SFU-CE-078-00

1. The attached memorandum establishes 15 February as the date after which not having the flow control features will have schedule impact upon TRW. This is consistent with the planning guidance provided at our meeting in November. Specifically, the SAFE project requires a debugged terminal without implementation problems by the first of March in order not to have impact upon TRW's development schedule. Failure to achieve this minimum goal will place the government at jeopardy with respect to incurring costs for delaying the program by not having provided the agreed upon GFE.

2. CSPO has not changed its position with respect to the definition of the terminal (i.e. the baseline). The terminal for SAFE is being developed in accordance with the reference (i.e. the TCD). It is recognized that where the document is subject to interpretation, the interpretation taken by Delta Data is the one that is being accepted, at present. This will expedite bringing the terminal to a stable configuration, although not the one desired by TRW. We plan to begin implementation discussions in January 1982 between TRW, CSPO, ED/ODP, and [redacted] of CRW Inc. By that time TRW's documentation of the Virtual Terminal (VT) contained in the User Interface software requirements and software design specifications should be baselined. These will serve as a basis for discussion. 25X1

3. If we establish that engineering changes must be made to the terminal in order to meet SAFE requirements (i.e. the interpretation taken by Delta Data was incorrect) the modifications will best be considered as deviations from the stable terminal baseline. This will minimize risk associated with any potential changes. It is unfortunate that apparently CSPO had not been sufficiently clear in explaining that the TCD defined

augmentations to the then extant (Sept-Dec 1980) Version 1.0 firmware even though this is stated in the first sentence of the TCD. Apparently this led to some of the differences in expectations of how the required functionality was to be implemented.

4. In order to facilitate baselining the terminal we recommend and desire:

- o Discussions by Engineering Division with Delta Data on the SAFE argumentations' functionality should include a representative from CSPO.
- o Engineering Division provide a weekly update (copy) of the problem report titled 'SAFE Encounters'.
- o Add suspense dates for the problems described in the problem report.
- o Provide current PROM versions to [redacted] as quickly as possible. 25X1
- o CSPO will provide a weekly report to Engineering Division of [redacted] findings. This will be in addition to his regular contacts with Engineering Division. 25X1

Please advise me of the disposition of these recommendations. We feel they are essential to establishing stable baseline.

5. Four sets of PROMS have been returned to Engineering Division. An additional four sets will be returned soon. Upon receipt of the second four sets, we request Engineering Division provide three sets of Version 1.0 PROMS for use by TRW. When TRW receives these PROMS, we plan to return at least four sets of the PUP PROMS sets.

[redacted] 25X1

TRW

23 NOV 1981

81.35656.01-113
17 November 1981

25X1 [redacted]

25X1 Attention: Mr. [redacted]

Subject : Delta Data Flow Control Capability

25X1 Dear Mr. [redacted]

To assist the Government in overall Project planning, this letter identifies the need for a GFE Delta Data terminal with flow control features in terms of impact on support to the BIU firmware development and testing:

- Upon receipt of the flow control features, two weeks of repeat testing will be conducted in parallel with the initial design testing now in progress using jumpers to "by-pass" the missing flow control interfaces in the terminal.

- The BIU firmware Design Verification Test (DVT) is scheduled to commence on 11 January. Delivery of flow control features two weeks prior to that date would enable the pre-testing outlined above. Receipt by that date would preclude a separate (two weeks in duration) repeat DVT (conducted without pre-testing, and thus higher risk) for those capabilities "by-passed."

- The WBC CDR is presently scheduled for 5 April. Allowing 30 day advance delivery of documentation, two weeks of separate DVT testing for flow control, and one week for documentation of that separate test, receipt of the flow control features after 15 February is expected to impact day-for-day on the delivery of that portion of the BIU CDR documentation.

We request your support in achieving delivery of a terminal configuration with the flow control capability, to minimize test repetitions and work-arounds with attendant schedule delays and cost implications.

Sincerely,

25X1 [redacted]

Manager, SAFE Project

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